

BEAD LOCK

Abstract of the Disclosure

A bead lock including an insert casing and a bead spacer for providing an air
5 passageway in a vehicle tire to be mounted on a wheel rim on which is located an insert
valve and a rim lip for retention of the vehicle tire bead, said insert casing including an
insert bead adapted to push against said tire bead and to hold said tire bead firmly against
the inner surface of said rim lip, the inner wall of said vehicle tire and the outer surface of
said insert casing defining an internal tire space to be pressurized for inflation of said
10 vehicle tire or depressurized for the deflation of said vehicle tire via said insert valve,
said tire bead and said insert bead interposed between said internal tire space and said
insert valve, said bead spacer extending from said insert bead to an insert valve area
corresponding in use to said insert valve location whereby to define at least one air
passage for communication of said internal tire space with said insert valve, wherein said
15 bead spacer is made of material sufficiently flexible to substantially conform to the
contours of said wheel rim and sufficiently incompressible to provide said air
passageway.